

UNITED STATES OF AMERICA

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DEPARTMENT OF THE INTERIOR

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MINERALS MANAGEMENT SERVICE

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OCS RENEWABLE ENERGY AND  
ALTERNATIVE USE PROGRAMMATIC EIS

+ + + + +

PUBLIC SCOPING MEETING

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TUESDAY

MAY 23, 2006

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The Group met at the Marriott Trenton at  
Lafayette Yard, One West Lafayette Street, Trenton,  
New Jersey.

MEMBERS PRESENT:

PATRICK DAUGHERTY

LISA JACKSON, Commissioner, NJ DEP

PETER MANDELSTAM

SASHE ANNETE

TOM FOTE

JEFF TITTEL

STEVEN R. KOPF

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1 P-R-O-C-E-E-D-I-N-G-S

2 (6:50 p.m.)

3 MR. DAUGHERTY: Patrick Daugherty.

4 FACILITATOR: Patrick, if you wouldn't  
5 mind going to the podium?

6 MR. DAUGHERTY: Did you say I had to spell  
7 my name?

8 FACILITATOR: No, you don't. We've got  
9 your name on the card.

10 MR. DAUGHERTY: Do I have to go there?

11 FACILITATOR: Well, we prefer it so  
12 everybody can hear. If you'd like, I can get you a  
13 handheld mic. Would you prefer that?

14 MR. DAUGHERTY: No I think I'm all right.  
15 Can you hear me? Patrick Daugherty, 11 Cedar Crest  
16 Drive in Neptune, New Jersey, on the New Jersey  
17 seashore. It's probably better described as nimbi  
18 land. You know what a nimbi is, of course?

19 I'll keep it to about a minute. Despite  
20 the fact that the Asbury Park Press had an editorial,  
21 two feature stories, and a full-page feature story on  
22 tonight's event, I'm probably the only guy to come  
23 over here from the Jersey Shore who would probably be  
24 most affected by what has been described here tonight,  
25 which I think is extraordinary, and also what the

1 board or panel had -- the Governor's Blue Ribbon  
2 Panel conducted, but I would think that there should  
3 be a way of reaching out more to the general public in  
4 your efforts.

5 I think most of the people here are  
6 professional people. I would doubt that there's many  
7 people here from the general public, and the general  
8 public, I think, need to learn more about the approach  
9 that you have described here, which I think is  
10 extraordinary.

11 If perhaps your itinerary has not been  
12 completed yet, I could accommodate you over on the New  
13 Jersey seashore with an extraordinary auditorium,  
14 which is not mine, and you may be preempting some of  
15 the things that the Blue Ribbon Panel have already  
16 covered, but I think this topic is so vital that there  
17 could be much added to the whole acceptance of  
18 alternative wind turbine energy on the part of the  
19 general public if the MMS, I think you call  
20 yourselves, were to pursue having a meeting such as  
21 you had here tonight over on the New Jersey seashore.

22 FACILITATOR: Thank you. I understand we  
23 do have an elected official with us tonight, Lisa  
24 Jackson, Commissioner of the New Jersey Department of  
25 Environmental Protection.

1 MS. JACKSON: I'm not elected, but my boss  
2 was, so I'll take that. Thank you. My name is Lisa  
3 Jackson. I'm Commissioner of the New Jersey  
4 Department of Environmental Protection, and I am  
5 submitting these comments for the record on behalf of  
6 the State of New Jersey and we do intend to submit  
7 some written comments later.

8 The economics of energy today may promote  
9 an explosion in the development of renewable energy.  
10 This development holds great promise for the  
11 environment, but to achieve this promise we must be  
12 vigilant in considering the full range of potential  
13 consequences from alternative energy proposals on the  
14 outer continental shelf.

15 New Jersey supports offshore alternative  
16 energy as long as it does not unreasonably affect our  
17 natural resources or our tourism economy. For New  
18 Jersey, the shore is an environmental treasure that  
19 unites us, and appreciation of the shore is a core  
20 part of what it means to be from New Jersey.

21 Shore-related tourism is also an economic  
22 engine contributing over \$22 billion annually to our  
23 state's economy. As you define the range of issues to  
24 be considered for offshore energy proposals, I urge  
25 you to undertake a comprehensive review of potential

1 consequences. The risks to our economy and this  
2 natural treasure are too great to do anything less.

3 New Jersey has identified a number of  
4 specific issues that must be included in an EIS if it  
5 is to be comprehensive. These concerns are informed  
6 by the extensive work recently completed by a panel  
7 appointed by the governor to consider proposals for  
8 offshore wind-generation in state waters.

9 These concerns are not meant to be  
10 obstacles to the development of offshore energy. The  
11 governor's panel stated plainly in its findings that  
12 New Jersey faces a serious and growing energy crisis  
13 that cannot be ignored.

14 New Jersey must be a leader in developing  
15 clean renewable sources of energy, and New Jersey must  
16 face its energy problems with bold action on multiple  
17 fronts. The panel also found that based on  
18 information available today, offshore wind turbine  
19 technology offers a range of potential benefits and  
20 possible drawbacks.

21 Too much remains unknown to characterize  
22 the appropriateness of offshore wind development for  
23 New Jersey's coastal waters. With the guidelines you  
24 established, you can help fill the void regarding the  
25 impact of offshore energy facilities.

1           Among New Jersey's concerns as laid out by  
2           the wind panel is the lack of baseline studies for a  
3           variety of species potentially affected by the  
4           construction off of-shore facilities. These species  
5           include birds, fish, marine mammals, and reptiles,  
6           some of which are endangered or threatened.

7           Essential habitat, behavioral responses to  
8           habitat alterations, and/or migration patterns will  
9           help inform decisions regarding proper placement of  
10          offshore facilities and should be included in an EIS.

11          In assessing the viability of offshore  
12          energy generation, an EIS should also include  
13          information about the cumulative impact of siting  
14          decisions and require an alternatives analysis to  
15          provide a clear understanding of the cost, both  
16          economic and non-economic, and benefits of an  
17          individual project.

18          The limited contribution of an individual  
19          project may make sense to meet our energy needs, but  
20          may also be achieved more economically and in a more  
21          environmentally sound manner through alternative  
22          means, conservation, energy efficiency, and other  
23          demand side strategies for example.

24          An alternatives analysis can help identify  
25          the true environmental cost and benefits of a project,



1 and should be a requirement. The socioeconomic impact  
2 of proposed development must also weigh heavy on the  
3 decision of where these offshore facilities should be  
4 sited.

5 The shore is a great economic engine for  
6 New Jersey. A comprehensive review must include an  
7 assessment of how a proposal will affect  
8 transportation and recreational and commercial  
9 fishing. The mapping of navigation routes and prime  
10 fishing locations is critical to ensure siting  
11 decisions do not adversely affect the economy.

12 In addition, costal areas tend to be  
13 heavily developed and expensive property. The siting  
14 of offshore facilities may affect property values and  
15 potentially raise environmental justice issues, and so  
16 these possible effects must be explored as well.

17 Perhaps most difficult of these  
18 socioeconomic issues is the aesthetic impact of  
19 siting. Tourism at the shore supports enumerable  
20 small businesses and provides tourists with a  
21 relatively affordable opportunity for a family  
22 vacation.

23 There has been speculation as to how  
24 people might react to an offshore facility, but no  
25 hard data has been developed. We need to expand our

1 knowledge if we are to make a responsible decision.

2 I recognize that many of these concerns  
3 are on your radar screen and have been discussed in  
4 white papers you have issued. I raise them today  
5 because they are priority concerns for us in New  
6 Jersey.

7 I also wish to repeat key findings of our  
8 state's wind panel. New Jersey recognizes that we  
9 face a serious and growing energy crisis that cannot  
10 be ignored, and New Jersey must be a leader in  
11 developing clean, renewable sources of energy.

12 The panel even went so far as to recommend  
13 a federal/state, public/private partnership to  
14 establish a pilot project to explore the use of large-  
15 scale offshore wind. Our reliance on fossil fuels has  
16 threatened our environment, our economy, and our  
17 national security.

18 We must pursue alternatives, but we must  
19 do it carefully. In considering proposals to generate  
20 energy from alternative sources off the outer  
21 continental shelf, let us not be blind to the  
22 potential for unintended consequences.

23 Let us require a comprehensive EIS for  
24 such projects, and then proceed secure in the  
25 knowledge that we have fully considered the potential

1 problems of such proposals, the benefits, and the  
2 alternatives. Thank you.

3 FACILITATOR: Thank you. Next speaker,  
4 Peter Mandelstam.

5 MR. MANDELSTAM: Thank you very much. I'd  
6 like to first echo Commissioner Lisa Jackson's  
7 comments. I'm a developer both on-land and offshore  
8 wind projects, and I echo your sentiments. It's very  
9 important that responsible developers such as my  
10 company, Bluewater, look closely at all of the issues  
11 concerning offshore wind.

12 My company, Arkady Wind Power, recently  
13 developed 135 megawatts in Montana, the first project  
14 in the State of Montana. Those megawatts are now  
15 spinning, and I expect an additional 45 megawatts will  
16 be installed this year.

17 I've strongly advocated offshore wind  
18 since 1999 in my capacity as chairman of the group in  
19 New York State called Wind Power New York. I compete  
20 in the worldwide competition for the Long Island  
21 offshore wind project. It was a very arduous, long  
22 process preceded by two and a half years of efforts on  
23 the ground by me, stakeholder outreach and education  
24 working with community groups, environmental groups,  
25 local elected officials.

1           There was then the competition. My  
2           company put together a 2,200-page proposal that LIPA  
3           actually read and even commented on. We had a year of  
4           follow-up questions, interviews, 92 separate  
5           additional requests for information. It was quite a  
6           process.

7           In the end, as you know, FPO won the bid  
8           and Bluewater remains highly interested in developing  
9           a project in New Jersey and elsewhere. But again, to  
10          echo the Commissioner's sentiments, I think it's very  
11          important that a developer such as myself and  
12          Bluewater do it in a proper way.

13          I want to talk about the specific issue of  
14          MMS. I note the comment in the Blue Ribbon Panel,  
15          "While MMS develops its programmatic EIS, there exists  
16          a de facto moratorium on wind turbine development and  
17          waters beyond three nautical miles off shore, waters  
18          under federal jurisdiction." Page 12.

19          The report comments that MMS may not  
20          process, of course they may, but may not any new  
21          offshore wind sites before the end of 2007, or at  
22          another point in the report they say early 2008 at the  
23          earliest.

24          This, I believe, is worry some. I'm not  
25          advocating a curtailment of reviews. I'm advocating

1 concurrent reviews. As Commissioner Jackson said,  
2 it's a time of rising electricity costs, there was  
3 just a rate increase averaging 14 percent in New  
4 Jersey.

5 The essence of the MMS efforts and the  
6 intent of a company such as Bluewater Wind is, I  
7 think, in concert with the Blue Ribbon Panel  
8 recommendation to ensure a full and fair environmental  
9 impact statement is done for a proposed project.

10 As a private developer who bid the Long  
11 Island project and someone who is interested in coming  
12 to New Jersey, I too want a detailed scientifically  
13 valid EIS to be written in order for the government  
14 agencies to review, and I believe after public  
15 comment, scientific studies, and other debate that I  
16 believe that an offshore wind farm can be approved off  
17 New Jersey.

18 MMS now has jurisdiction over offshore in  
19 federal waters. If MMS needs additional time to  
20 develop regulations and prepare a programmatic EIS,  
21 there is no policy reason why a private developer such  
22 as Bluewater cannot go forward with a comprehensive  
23 site-specific environmental review that will cover all  
24 of the generic EIS issues in greater detail.

25 MMS' stated desire is to identify areas of

1       scoping concern and "generic impacts" that have been  
2       studied in other areas such as Cape Wind and LIPA and  
3       will be studied in greater site-specific detail in an  
4       EIS for a project.

5               I see my time is up. Let me just say that  
6       there's no scientific policy or regulatory reason why  
7       new offshore wind applications should not be reviewed  
8       as soon as a private developer is ready to undertake  
9       and pay for them. Thank you very much.

10              FACILITATOR: Thank you. Next speaker,  
11       Tom Fote. Okay. We'll put him in the queue. Sashe  
12       Annete.

13              MS. ANNETE: Good evening. I'm Sashe  
14       Annete. I'm an environmental media strategist. I  
15       also have a production company that is focusing at the  
16       moment on producing concerts and festivals. We're  
17       doing two in August in New Jersey this summer to raise  
18       awareness and funds for renewable energy and  
19       affiliated organizations.

20              I'm not a scientist or a policymaker. I  
21       am a member of the U.S. Green Building Council, New  
22       Jersey Chapter, and a proud resident of Monmouth  
23       County, so I have obvious interest in how this policy  
24       develops and in the potential future of offshore wind  
25       farms, not only in New Jersey but throughout the

1 northeast and ultimately our world.

2 The northeast corridor is probably one of  
3 the greatest energy strains on our grid. We are  
4 vulnerable to rising prices, vulnerable to shortages,  
5 and blackouts, and vulnerable to terrorism.

6 Wind technology has been used on our  
7 planet since ancient times. There is no reason that  
8 we should not be fully taking advantage of the  
9 technology that is now available to implement this  
10 natural, clean renewable source of energy.

11 If you look at the widespread use of  
12 renewable energy, particularly wind power in Europe,  
13 we should be shamed as a nation and as a world leader  
14 that they are so far ahead of us in implementing wide-  
15 scale wind systems for example.

16 They have obviously overcome the obstacles  
17 of cost, aesthetic, and environmental impact. We must  
18 follow their lead. There is no reason that we can't  
19 be leapfrogging off of their progress. They have a  
20 similar environment and a similar ecology to the  
21 United States, and they have obviously surmounted the  
22 hurdles that we are now facing.

23 So the big question is why are they so far  
24 ahead of us? I suggest that it is a matter of  
25 consciousness. Consciousness of a people filters

1 through to the consciousness of a government and vice  
2 versa. They have faced higher energy costs for many  
3 years, as well as pollution and environmental  
4 concerns.

5 We seem to have forgotten the crises of  
6 the 1970s, and we are facing much worse if we don't  
7 make some serious long-term changes. There is no  
8 choice. So I challenge all involved parties on the  
9 research, technology, and policy levels to get on the  
10 same page and fast.

11 We need a new paradigm to implement this  
12 technology and push it through in a way that has not  
13 been done before. You must be creative in the way  
14 that you choose to move down this road and expedite  
15 this process, to take advantage of the research and  
16 the solutions that have already been found, for  
17 example, by our friends in Europe.

18 I think that there are some ironic  
19 advantages that might not have been considered.  
20 Tourism may actually increase when people become aware  
21 of this and realize what the benefit is to our  
22 environment and to our economy.

23 Granted, Europe has a different aesthetic  
24 sensibility, but they obviously have overcome that  
25 particular challenge. Environmental impacts, how many



1 birds are killed by an oil tanker running ashore or  
2 sucked into jet plane engines?

3 There is also the multiple use advantage,  
4 telecommunication towers, helicopter pads, homeland  
5 security uses, and the artificial reef systems that  
6 may actually provide fish farms offshore, which would  
7 also be an advantage to New Jersey's economy.

8 Wind is wind, wind, wind. There are no  
9 advantages to reliance on fossil fuels. Yes, it's  
10 expensive, but once in place they are low maintenance  
11 both in cost and in manpower.

12 So I would like to thank MMS for this  
13 opportunity, and I would like to applaud the New  
14 Jersey Clean Energy Program and the governor's Blue  
15 Ribbon Panel for the work that they have done so far.

16 No one is talking about doing this  
17 irresponsibly. It is our great responsibility to get  
18 this done and soon. Thank you.

19 FACILITATOR: Thank you. Let's see, has  
20 Tom Fote returned?

21 MR. FOTE: Tom Fote from Jersey Coast  
22 Angler's Association. I wear a lot of hats. I sit on  
23 the habitat committee for Atlantic Station Refisheries  
24 Commission, I listen to a lot of reports, I get a lot  
25 of information.

1 I was surprised that I had to read on  
2 Sunday about this hearing in the newspaper and that I  
3 hadn't received the notification through the mail or  
4 through the Internet or by email.

5 Since I was listed on the governor's task  
6 force, it might have been interesting to look at the  
7 list and send out from the people on the list at least  
8 email us a list of names that could've been  
9 corresponded to.

10 I basically try to get out to the  
11 membership of Jersey Coast at the same time -- I'm not  
12 standing close enough to the microphone -- at the same  
13 time to get the information out. Jersey Coast will be  
14 submitting written comments.

15 Bruce Freeman, who just retired from the  
16 Division of Fish and Wildlife, I brought his as  
17 another volunteer since I'm a volunteer. He'll be  
18 helping us put some of this information together.

19 Turbine scamming, one of the things we  
20 have to do -- what you should be doing is looking at  
21 risk analysis, and we do fish advisories. We look at  
22 whether it's safer to eat a piece of fish with mercury  
23 in it than eat a chicken with hormones in eat to beef  
24 with Mad Cow Disease.

25 When we look at -- excuse me. When we

1 look at the alternatives to energy, we should be  
2 looking at the same thing, whether wind power  
3 basically causes any fish damage, whether turbines  
4 does, or were the wave action.

5 That should be part of the criteria  
6 because my main interest is what it does to the fish,  
7 to the people that depend on fishing for their living,  
8 and to the environment out there.

9 We look at that \$22 billion worth of  
10 tourism industry, a billion and a half is recreational  
11 fishing. Two and a half is probably boating. About  
12 \$500 million to \$600 million is commercial fishing.  
13 Now that's a big part of that tourism dollars, and we  
14 basically -- people -- a lot of jobs there.

15 We need to basically look at that as part  
16 of the process. I am one of those -- the person who  
17 first got up here said from the shore, that's where I  
18 live is Toms River. The governor's Blue Ribbon Panel  
19 made sure they had hearings at the coast because  
20 that's the people that's going to be involved the  
21 most.

22 I was disappointed that it had to be  
23 anywhere in Trenton, and also the times -- 6:30 is not  
24 convenient to people that work for a living that do  
25 this as a volunteer to show up to basically testify.

1           Basically it's -- to try get to Trenton  
2           you're living up -- you're working in North Jersey, it  
3           takes you an hour and a half to get here. It should  
4           be no earlier than 7:00 even sign-in, unless you're  
5           going to have somebody during the day.

6           I mean, usually with -- I've turned ones  
7           when they did sand mining they were done during the  
8           day and during the night. If you're going to have it,  
9           you might as well have a two-parter. You're bringing  
10          all the experts in, you're bringing the people that  
11          are listening to our testimony, so when you come  
12          around on the second round hopefully that's what you  
13          will do.

14          You'll basically have an afternoon hearing  
15          for the professionals, the people that get paid to go  
16          to hearings, and for the public that wants to come at  
17          night and basically express their concerns.

18          Again, we're not against wind energy,  
19          we're not against renewable energy. How can I be  
20          against renewable energy when I'm looking at mercury  
21          in my fish, PCBs and all the other problems that come  
22          about?

23          We also are looking at global warming. I  
24          live on the bay and we're not careful, I'm going to be  
25          living on oceanfront property because the barrier

1 island in front of me is going to be covered with  
2 water, and we need to do something about that.

3 I won't take any more of your time right  
4 now. Thank you.

5 FACILITATOR: Thank you. Jeff Tittel.

6 MR. TITTEL: Jeff Tittel, Director, New  
7 Jersey Sierra Club. I'm here representing our 24,000  
8 members in New Jersey in this process, and the club  
9 nationally is engaged, as well.

10 The Sierra Club believes that the biggest  
11 threat to our oceans, to our ecosystems, and to our  
12 planet is global warming, and we are very concerned  
13 that at the rate we're going with carbon dioxide and  
14 greenhouse gases there won't be a planet that's going  
15 to be habitable in 50 to 100 years from now.

16 We strongly believe we have to look very  
17 carefully at offshore wind and other alternative  
18 energy sources as a way to help mitigate and deal with  
19 this terrible future that could be facing us with the  
20 changes in climate, meaning the changes in species  
21 that'll be living in the oceans, and changes in  
22 climate, meaning the types of birds and migratory  
23 patterns that we already see being interrupted.

24 But we also want to make sure that it's  
25 done right and it's done in a way that will help

1 protect the oceans and protect our future as well, but  
2 we do believe that this is a process that has to go  
3 forward.

4 A couple of issues that I wanted to raise  
5 when I was looking at the charts, you talked about  
6 socioeconomic impacts, you should also be looking at  
7 socioeconomic benefits, as well as environmental  
8 benefits that could be coming from this project or  
9 different projects off the coast to look at the  
10 differences that would happen in our future if our  
11 energy needs keep growing if we don't do conservation  
12 and we don't look at alternative energy sources, but  
13 to look at the amount of pollution and greenhouse  
14 gases that will be impacting us as well and mercury  
15 and NOx and SOx and everything else.

16 I know that may be a little bit tough with  
17 the Bush Administration at times, but I think it's one  
18 of the things that has to be looked at when we're  
19 trying to balance the need to go forward with wind and  
20 how we do it.

21 We also believe that you should not stand  
22 in the way of New Jersey trying to do a pilot project  
23 so that we can get some real data to assess the  
24 impacts on the coast of New Jersey that we strongly  
25 believe that this type of project needs to go forward

1 so that we can get some of the data that may be  
2 missing instead of making assumptions.

3 We should also be looking more towards  
4 Europe and seeing what's happening there. But we  
5 strongly believe that this needs to go forward and  
6 that we will be actively participating in this  
7 process. Thank you.

8 FACILITATOR: Thank you. Steven Kopf.

9 MR. KOPF: Hi. Good evening. My name is  
10 Steven Kopf. I represent Ocean Power Technologies  
11 based just right up the road in Pennington, New  
12 Jersey.

13 We are the world's leading wave energy  
14 development company. We've got buoys operating in New  
15 Jersey, Hawaii. We have just been selected for the UK  
16 Wave hub. We also have joint ventures with Total and  
17 Iberdrola to build pilot programs in France and Spain  
18 respectively.

19 However, this evening I am here to  
20 represent OREC. OREC is a 501(c) trade association  
21 with members and affiliates from the U.S., U.K,  
22 Ireland, and Canada. These members are a group of  
23 committed ocean and offshore wind technology  
24 developers, consultants, investors, and lawyers who  
25 are at the forefront of bringing clean, renewable

1 offshore energy technology to the U.S.

2 OREC is technology neutral meaning that we  
3 support all types of development. What I really want  
4 to do tonight is focus on OREC's view as specifically  
5 related to the MMS scoping.

6 Number 1, breadth. We want to make sure  
7 that the emerging technologies are treated equally in  
8 the EIS. We want to make sure that wave and current  
9 are addressed on equal basis as wind.

10 There's a lot of energy around offshore  
11 wind, but we want to make sure that the other  
12 technologies get addressed as well because early stage  
13 investment -- our firm, as well as a number of other  
14 global firms have been very successful in the last  
15 year of attracting early stage investment.

16 If you study the marketplaces, a  
17 tremendous amount of investment going right now into  
18 ocean energy, and we don't want to curtail that. If  
19 the investors see that there's not that equal basis,  
20 then they're going to run.

21 Specifically, I think the concern there is  
22 making sure that the rules that do go into effect  
23 allow for pilot scale programs. Right now in the  
24 ocean energy excluding wind, a big project right now  
25 is five or ten megawatts.



1           So we need a process that is streamlined  
2           and that will permit these small-scale demonstration  
3           programs, which build the investor confidence, which  
4           allows us to hit the hockey stick scale ups. We need  
5           that confidence and that investor base and anything we  
6           do in these rule makings that prevent the small scale  
7           pilot programs from occurring is just -- it's just  
8           going to impede the whole development process.

9           So it's something that we really want to  
10          make sure that the MMS pays attention to is that  
11          there's a big difference now if you're Florida Power  
12          and Light trying to develop a couple hundred-megawatt  
13          project and you're an early stage C capital company  
14          trying to launch a two or a five-megawatt project.

15          I think in closing I want to also -- you  
16          know, time is of the essence. Time is of the essence  
17          because this is as much about energy and environment  
18          -- it's about economic development. We don't want to  
19          concede this industry to the Europeans.

20          The time is now to do this. We are  
21          working it hard, and we can show the world that the  
22          U.S. is the place to see these projects by streamline  
23          rule making. Thank you very much, and I applaud your  
24          efforts.

25          FACILITATOR: Thank you. Next speaker,

1 Tim Dillingham, American Littoral Society.

2 MR. DILLINGHAM: Thank you. It's always  
3 interesting when the podium is set this way to address  
4 you all. Tim Dillingham. I'm with the American  
5 Littoral Society. We're a national NGO involved with  
6 coastal and marine protection.

7 I also served as a member of the  
8 governor's Blue Ribbon Panel on offshore wind  
9 development in New Jersey. I guess the context of my  
10 comments tonight, we have submitted comments to you in  
11 response to the advance notice for rule making, and we  
12 will submit further written comments to give you much  
13 more detail in response to the work that you put out  
14 already.

15 I guess the broader context, though, is  
16 very much, as the Commissioner stated earlier on, that  
17 when New Jersey spent 15 months examining both the  
18 state of the knowledge about these facilities, about  
19 the potential impacts, the potential benefits, the  
20 result was a very, very cautious report.

21 It was not an endorsement. In fact, the  
22 panel, the majority of the panel chose to not endorse  
23 the development of offshore wind, and I think by  
24 extension other alternative energy technologies  
25 because of the absence of information that would be

1 necessary to really truly assess the pros and cons and  
2 the benefits and the consequences of industrial  
3 structures being placed and developed in the ocean.

4 I think that going through the review of  
5 the literature, both the European experiences, which  
6 are on a much, much different scale than we're  
7 potentially talking about in the United States and so  
8 are of limited value in terms of the empirical  
9 evidence that they've generated, that we really want  
10 to make sure that your EIS work gives equal weight to  
11 the standard that the Commissioner articulated that  
12 the development of alternative sources of energy  
13 generation needs to be weighed out against the other  
14 public benefits and uses that are already coming from  
15 the ocean, whether those are commercial fishing,  
16 recreational fishing, tourism, the continued existence  
17 of marine mammals, and other resources.

18 I would say a couple things. One, in  
19 reading your documents, I think the generic list that  
20 you're coming up with in terms of identifying what the  
21 areas of your investigation ought to be in terms of  
22 the environmental impacts are generally right.

23 I think people understand what the  
24 universe of potential impacts are, whether those are  
25 impacts on the living resources by the structures in

1 the water or the operation of the turbines themselves  
2 or by the other technologies that are being talked  
3 about, the displacement of current uses of commercial  
4 fishing from large fields, those are all generally --  
5 I think you're on the right track in that aspect of  
6 your scoping.

7 There are other issues that were submitted  
8 in our comments on the advance notice that allowed in  
9 writing, but I think generally you're there. The  
10 problem is that there is, to the best of my knowledge,  
11 a real lack of information about those resources which  
12 you are setting out to try to assess the impact on.

13 There is not good information on marine  
14 mammals on their migratory routes, on their breeding  
15 areas, on the distribution and concentration of  
16 commercial fishing. The Blue Ribbon Panel tried to do  
17 that. We consulted with the National Marine Fishery  
18 Service, with NOAA, with others.

19 So you really do need to put that  
20 information together and it really raises a very  
21 serious concern about the time line that you've  
22 established in doing this EIS and its validity in the  
23 absence of that information.

24 Secondly I think the EIS has to be  
25 conducted on a regional scale, and you have to assess

1 this from full build out. I think if you try to do  
2 this in a generic approach and then look at project by  
3 project, you are not going to be able to assess the  
4 impacts adequately.

5 I think that raises very serious questions  
6 about the usefulness of the EIS and kind of  
7 perpetuates the ongoing problems where we cumulatively  
8 fail to assess what a series of these kind of  
9 facilities up and down the North Atlantic, the Mid  
10 Atlantic or other places.

11 I don't see how you can do that within the  
12 time frame given the current state of knowledge that's  
13 out there. Thank you.

14 FACILITATOR: Thank you. Next speaker,  
15 Keith M. Rella, Clean Ocean Action.

16 MR. RELLA: Thank you. I'm Keith Rella,  
17 policy advocate for Clean Ocean Action. Clean Ocean  
18 Action is a regional broad-based coalition of over 150  
19 conservation, environmental, fishing, boating, diving,  
20 student, surfing, women's, business, service, and  
21 community groups with a mission to improve the  
22 degraded water quality of the marine waters off New  
23 Jersey and the New York coast.

24 I thank you for holding the hearings, the  
25 series of hearings, and for the opportunity to testify

1 here. According to the Minerals Management Services  
2 notice, the programmatic EIS will assess generic  
3 impacts from development, operations, and  
4 decommissioning of renewable energy or alternate use  
5 facilities and identify key issues and mitigation  
6 measures that should be considered by subsequent site-  
7 specific reviews.

8 We're here tonight primarily to listen,  
9 but would like to offer some basic comments. Our  
10 recent experience with New Jersey's Blue Ribbon Panel  
11 on development of wind turbine facilities and coastal  
12 waters exposed the scarcity and deficiency of  
13 biological and ecological baseline data on the outer  
14 continental shelf.

15 In the absence of such data it's  
16 scientifically impossible to determine ecological  
17 impacts of offshore renewable energy and alternate use  
18 facilities, therefore, we are skeptical that any  
19 programmatic EIS conducted at this time will  
20 adequately address the environmental impacts  
21 associated with activities described in the proposed  
22 scope before a programmatic EIS can be developed and  
23 extensive research agenda must be undertaken and  
24 completed to address these significant deficiencies.

25 Then ocean action will submit additional

1        comments further detailing the necessary research  
2        agenda and other related issues. Thank you again for  
3        the opportunity.

4                    FACILITATOR: Thank you. Next speaker,  
5        Bruce Freeman, Jersey Coast Angler's Association.

6                    MR. FREEMAN: Thank you. I'm speaking on  
7        behalf of Jersey Coast Angler's Association and add my  
8        comments to what Tom Fote had indicated. I'm also  
9        speaking as a chair of the science and research  
10       committee of that organization, which is located in  
11       Toms River, New Jersey.

12                   First it would be certainly more helpful  
13       if this hearing were held along the shore where these  
14       impacts are going to occur. To some, certainly it may  
15       be convenient in this area, but for those of us who  
16       live and work along the shore, this is very  
17       inconvenient.

18                   I take up the offer the first speaker had  
19       given. There's plenty of places that would be no cost  
20       to the federal agency to have those hearings.

21                   Jersey Coast has an open mind in this  
22       issue. Obviously finding ways to produce power with  
23       minimal environmental impacts is something very  
24       appealing. However, there are many questions which  
25       remain unanswered and need to be known.

1           One of the first questions I have is why  
2           are all these proposals 3.1 to 4 miles offshore? Why  
3           aren't some of them 2 to 2.9 miles? It seems very  
4           strange, and I never did get a clear answer as to why  
5           these proposals are not submitted for state waters.  
6           They're always just outside of state waters.

7           The other question I have is how does the  
8           application of the Federal Coastal Zone Act relate to  
9           this wind energy, and I suspect you'll answer those  
10          questions in your Environmental Impact Statement, but  
11          that's certainly one you should look at.

12          We also need to answer the question of the  
13          impact of the towers, as well as the transmission  
14          lines both during construction, as well as the  
15          maintenance of these lines. How will they affect fish  
16          migration particularly in vertebrates such as lobster  
17          migrations?

18          Will these animals walk along the bottom?  
19          Are there electromagnetic fields that will disrupt  
20          these migrations, including cancer crabs and many  
21          other invertebrates? These questions certainly have  
22          not been answered.

23          Will the placement of these towers  
24          displace historical fishing areas where both  
25          recreational and commercial fisherman now use? How



1 will the siting of these be determined, and how will  
2 they be determined relative to the present use of  
3 those areas by others?

4 One other point is the safety issue. Will  
5 these wind fields, if they are established, become  
6 sanctuaries because of either safety or navigational  
7 problems where they'll simply be made off limits to  
8 the public? How is that question going to be  
9 answered?

10 Is it within the purview of the Mineral  
11 Management Service, or is this an issue dealing with  
12 the Coast Guard or Homeland Security? Those are some  
13 of the questions. We will submit further comments in  
14 our written testimony. Thank you.

15 FACILITATOR: Thank you. Next speaker,  
16 Michael Kujawa, Win Power -- Winenergy Power, excuse  
17 me.

18 MR. KUJAWA: My name is Michael Kujawa.  
19 I'm with Winergy Power. I don't envy your task  
20 because there's a great emphasis to get through the  
21 definition or rules to develop this massive offshore  
22 energy resource we have -- that we have that's not in  
23 somebody else's territory.

24 I would like to recommend as far as the  
25 scoping goes that we give consideration to quantifying

1 the beneficial impact of offshore renewables for wind,  
2 waves, currents. There are defined formulas for  
3 calculating the reductions in mortality from reduced  
4 power plant emissions now, folks seeing particulate  
5 matter that can also be equated to birds for one  
6 thing, birds breathe the same air.

7 I would also like to recommend that we use  
8 the knowledge that's gained from a series of  
9 demonstration projects to develop GEIS to reduce a  
10 repetitive gathering of the same type of information  
11 as we find out what benefits, where we can put things,  
12 what we know, where the mammal paths are.

13 We know which way the fish are traveling  
14 and where their spawning grounds are, so once these  
15 knowledge bases are established that in future  
16 permitting this doesn't have to be done anymore, we  
17 can just make references to previously-gained  
18 knowledge okay? That's it. Thank you.

19 FACILITATOR: Thank you. Next speaker,  
20 Raymond J. Kenard, American Wind and Power and  
21 Hydrogen.

22 MR. KENARD: Thank you. Two of the  
23 preceding speakers made two very important points that  
24 I would like to focus on. One of them is what has  
25 been done in Europe relative to wind farms and the

1 other one is that one was focused on benefits, not  
2 just the detriments of the actions that you're  
3 planning.

4 In addition to the tremendous amount of  
5 wind turbine activity in Europe, there's been a  
6 tremendous amount of hydrogen activity in Europe also.  
7 As early as 2001, the Munich Airport had a hydrogen  
8 facility, a hydrogen infrastructure facility and five  
9 hydrogen fuel buses.

10 Today or over the last three years there  
11 have been something like 33 buses that have been  
12 operating in nine different cities in Europe. All  
13 these buses have been hydrogen fueled. I don't think  
14 anybody in this room can name a hydrogen fueled bus or  
15 have seen a hydrogen-fueled bus.

16 Wind turbine electricity can be converted  
17 easily to hydrogen through a process named  
18 electrolysis. Because of the focus in Europe on  
19 hydrogen as a solution to the environmental problems  
20 of the world, to global warming, to energy security,  
21 they've been able to develop the electrolysis  
22 technology beyond some of the earlier, smaller  
23 facilities that have been built.

24 Today there are large scale electrolysis  
25 facilities being considered with technology by Norse

1 Hydro in Europe and by Hydrogenix, which is a Canadian  
2 company. There actually happen to be seven different  
3 facilities in the United States now being considered  
4 for large scale hydrogen electrolysis facilities.

5 Obviously none of them are associated with  
6 offshore wind, but most of them are associated with  
7 wind resources in the Great Plains states where there  
8 is comparable wind resources comparable to what is  
9 offshore.

10 The other issue about considering the  
11 benefits, the amount of energy that's offshore of Long  
12 Island is estimated to be 7,700 megawatts of potential  
13 electricity. That is more than twice the amount of  
14 electricity which if converted to hydrogen would  
15 support the entire mass transit facility of the  
16 greater New York-New Jersey area.

17 That mass transit facility contributes  
18 about 1.7 million tons of pollutants to the atmosphere  
19 every year. Anything that's done to reduce that  
20 concentration of pollutants is very, very  
21 advantageous.

22 In the information I'm going to be leaving  
23 with the service here is some preliminary information  
24 on the Norse Hydro electrolysis large scale technology  
25 where they've been successful in reducing the size

1 materially, where they've been successful in  
2 increasing the efficiency, and are prepared to offer  
3 this technology as of early 2007.

4 There is a radical evolution of technology  
5 going on elsewhere in the world that Jersey should  
6 take part in. The feasibility of offshore wind has  
7 been demonstrated by the Europeans. It is something  
8 that should come to New Jersey's attention now.

9 FACILITATOR: Thank you. Next speaker,  
10 James Sherman, American Wind Power Hydrogen, LLC.

11 [Off-mic response.]

12 FACILITATOR: Okay. Next speaker, John  
13 Weber, Surfrider Foundation.

14 MR. WEBER: John Weber with the Surfrider  
15 Foundation. With all due respect to our first  
16 speaker, I live in Bradley Beach, which is nestled  
17 between Neptune, New Jersey, and the Atlantic Ocean.

18 Surfrider Foundation's a nonprofit  
19 organization that's dedicated to the protection and  
20 preservation of the world's oceans, waves, and beaches  
21 for all to enjoy. It was founded in 1984, now  
22 supports 50 -- has 50,000 members across the United  
23 States, 65 chapters, and 5 international affiliates.

24 Like many environmental groups, the  
25 Surfrider Foundation's eager to move the United States

1       towards a renewable energy future, and we see wind as  
2       an important part of that renewable energy future, but  
3       on the other hand, like some other environmental  
4       groups, we feel like not all the questions have been  
5       answered with respect to birds, marine mammals, fish,  
6       commercial fishing, and the list.

7               But as a recreational user group of  
8       surfers, we have a specific concern that has yet to be  
9       answered. Our organization feels that a breaking wave  
10      is a natural resource. Just like a clean mountain  
11      stream full of trout is a natural resource, it has a  
12      recreational benefit and there's an economic benefit  
13      associated with that.

14             As such, it shouldn't be diminished by  
15      physical means that would alter or destroy it, and it  
16      shouldn't be made useless by chemical or biological  
17      means, so the question that we pose to New Jersey's  
18      Blue Ribbon Panel, twice with respect to breaking  
19      waves is this will an array of offshore wind  
20      facilities create a shoaling effect around the base of  
21      these structures thereby making the water more shallow  
22      around the base of these structures and diminish the  
23      incoming wave energy.

24             I bet you -- I hadn't thought of this one  
25      yet, or I don't know if this has come up, but -- so

1       it's our basic question. We've asked it, it hasn't  
2       been answered, and we're going to reserve judgment on  
3       any site-specific proposal until we can get that  
4       question answered.

5               The other thing is the -- I'll give you a  
6       preview of what you're going to get tomorrow out in  
7       Long Island. There are Surfrider chapters in the  
8       region that feel really strongly that protected parks  
9       such as Jones Beach and Fire Island National Seashore  
10      are -- there's a strong sentiment that the  
11      unobstructed view provided by these parks is part of  
12      the park experience.

13             In fact, in Fire Island National Seashore,  
14      part of that area is a national wilderness area. It's  
15      the only one in New York State. It's one of the few  
16      on the East Coast, and a lot of people feel that the  
17      parks should be handed down to the next generation in  
18      the same condition that they were enjoyed by this  
19      generation and past generations.

20             The parks should be handed down the same  
21      way they were conceived by their -- well, when they  
22      were conceived. So that's a little bit of what you're  
23      going to get tomorrow night. As an organization we're  
24      not against wind and renewables.

25             If it were -- I know the technology, if it

1 exists or if it's close to coming online and these  
2 facilities can be moved further offshore, the question  
3 I just raised about shoaling wouldn't matter, and the  
4 concern with the parks and the view shed, that's not  
5 going to matter either.

6 So if that technology is close, it might  
7 make sense to wait until that is online. Regardless  
8 of whether wind is developed offshore or not, the  
9 federal government should make energy conservation a  
10 priority and enhance programs that make energy  
11 conservation affordable to average citizens and  
12 affordable to small businesses.

13 I know in the first slide presentation it  
14 said MMS is -- one of MMS' goals is to increase and  
15 balance energy sources. There's no mention about  
16 conservation.

17 New Jersey, we have a clean energy  
18 program. Obviously, we're putting solar panels on  
19 rooftops all over the state. I know there's a  
20 difference between the economics and solar and wind  
21 and wind is better, but the difference is if you put  
22 a solar panel on a rooftop there's no public hearings,  
23 there's no EIS, there's no NEPA requirements, there's  
24 no anything like that.

25 So it just brings us closer to that energy



1 independent future. Thanks very much.

2 FACILITATOR: Thank you. Next speaker,  
3 Dena Motolla, New Jersey Public Interest Research  
4 Group.

5 [Off-mic response.]

6 FACILITATOR: She had to leave? Okay.  
7 Then we'll move onto Michael Mercurio, Island Wind,  
8 Inc.

9 MR. MERCURIO: Ladies and gentlemen of the  
10 Minerals Management Service panel, my name is Michael  
11 Mercurio of Island Wind Group. I am a member of a  
12 number of renewable energy associations and  
13 environmental groups.

14 I live on a barrier island in New Jersey,  
15 which is threatened by a number of different  
16 environmental problems. Thank you for this time to  
17 express my environmental concerns regarding offshore  
18 renewable energy development in the United States.

19 America today is stronger than ever  
20 before. Our adversaries have not abandoned their  
21 ambitions or dangers. They have not diminished at  
22 all. Our vigilance cannot be relaxed, but now we have  
23 the scientific and economic strength to do whatever  
24 must be done for the preservation and the promotion of  
25 national energy security and our environment.

1                   We in this country, in this generation,  
2                   are by destiny rather than by choice the watchmaker of  
3                   the world environment. We ask therefore that we may  
4                   be worthy of our power and responsibility that we may  
5                   exercise our strengths with wisdom and restraint, and  
6                   that we may achieve in our time and for all time the  
7                   ancient vision of peace on Earth with harmony to  
8                   nature.

9                   That must always be our goal and the  
10                  righteousness of our cause must always be our  
11                  underlying strength. I would like to address a few  
12                  environmental concerns that I have regarding the ocean  
13                  and the planet we all live on for we all coexist with  
14                  the birds and the animals and breathing the same air,  
15                  drinking the same water, and live on the same land.

16                 That is why there is a need to expedite  
17                 this permitting process. Our ocean levels are rising  
18                 with ozone layers, CO<sub>2</sub>s, nitrous gases, and high  
19                 intensity storms. It is clear our environment is  
20                 changing, and we are approaching a carbon-constrained  
21                 world.

22                 My experience in living on a barrier  
23                 island is that I can see these things happening  
24                 firsthand. A lot of people don't see them for what is  
25                 happening on a yearly basis to our coastlines. I have

1 provided you with some pictures, which I will give to  
2 you as proof of this evidence of what is happening.  
3 This country should immediately allow existing  
4 offshore projects to go forward such as Cape Wind and  
5 LIPA as part of Phase 1 study and a giant step forward  
6 to the beginning of solving a number of problems this  
7 country has.

8 We can study numerous types of  
9 hypothetical environmental concerns and problems, but  
10 the facts are we all live together with the birds, the  
11 animals, and the fish. Harmony must be achieved with  
12 quality of air, water, and the atmosphere of the  
13 planet.

14 This panel should be concerned with  
15 dealing with Phase 2 studies of how to build in the  
16 ocean in deeper water. I therefore call on this panel  
17 to be lenient to the permitting of this new emerging  
18 technology so that it may be developed in a proper  
19 manner.

20 Reforms are needed to address market  
21 barriers to renewable and energy sources and  
22 streamline uniform planning procedures and integrated  
23 least cost network planning.

24 Fair environmental and transparent pricing  
25 for leasers in order to achieve success of the project

1 is needed. Siting of renewable energy systems should  
2 be site specific to the permitting process and not  
3 stringent.

4 One fact that people bring up to wind  
5 turbines is they kill birds, which offshore wind will  
6 reduce any chance of happening. A simple fact is that  
7 the further out in the ocean you go, the fewer birds  
8 are present, except for migratory birds pass from land  
9 to sea and then land again.

10 Most endangered species forage and live  
11 near the coastline and inland, not out in the ocean.  
12 Offshore wind is different than land-based units. The  
13 ocean acts as a physical barrier. In fact, they are  
14 not land constrained in their deployment.

15 Wind turbines and therefore offshore wind  
16 is totally different than a land-based unit. MS  
17 should adopt avian permitting process for radar for  
18 two years and a one-year visual siting of radar.

19 I have been a sports fisherman for over 50  
20 years, and I have seen large amounts of fish  
21 populations depleted most rapidly in the past 25 years  
22 to over-fishing by commercial drudging fishing.

23 Offshore wind has to do all kinds of  
24 reports to substrate of the ocean floor to see what  
25 effect it will have. Drag netters rake and destroy

1 the bottom of the ocean at all time. I would like to  
2 see commercial fishing in these areas as a measure of  
3 compensation and conservation to not be allowed in  
4 these areas.

5 Royalties -- there should be a flow group  
6 and liaison group of offshore wind grouping the wind  
7 people, developers, and the fishing industry. I have  
8 brought you some reports from Europe that has been  
9 written on matters concerning offshore wind and how  
10 they are dealing with the permitting and the review  
11 for your review to study.

12 I lived on Long Beach Island for 55 years  
13 and my family loves the island and I would like to see  
14 my children and grandchildren enjoy it for years to  
15 come. At present rate, the way things are, my  
16 children will not be able to live there anymore.  
17 Thank you.

18 FACILITATOR: Thank you. Next speaker,  
19 Chris Wissemann, Winergy Power.

20 MR. WISSEMAN: Good evening. I'm Chris  
21 Wissemann, Winergy Power. Thanks for the prelude.  
22 I'm clearly highly biased towards seeing offshore wind  
23 implemented as soon as possible.

24 I'm also highly biased towards seeing my  
25 kids enjoy the same sort of environment and all the n

1 natural resources that were available to me as a kid  
2 growing up.

3 If anybody has any doubt about the urgency  
4 of going forward with all forms or renewables really  
5 as soon as possible, I've got to urge you to read a  
6 book that I just finished today, The Weather Makers.  
7 It'll set the record clear on where we're going as a  
8 civilization.

9 Two specific issues to MMS, things that we  
10 may have overlooked in some of our earlier comments.  
11 As a developer that's seriously looking at  
12 implementing large scale offshore projects, I'd like  
13 to make sure that in the EIS they cable issues  
14 specifically are addressed.

15 Cable landings for everybody here that's  
16 looking at any of these projects are going to be the  
17 same. There's differences, whether it's rock, sand,  
18 mud, but I think we should look at the cable landings  
19 as something the EIS covers very specifically so that  
20 it doesn't need to be done again and again and again  
21 by every developer, specifically high voltage AC  
22 power.

23 I'd also like to make sure that the  
24 purview of MMS also really includes the cable and the  
25 interconnect. There are a lot of agencies that need

1 to be coordinated, FERC, various ISO agencies, clearly  
2 city states, everywhere where cable lands, and to make  
3 sure that MMS purview doesn't end once you hit state  
4 waters, to make sure that carries through on every  
5 element of a project so they ultimately could be  
6 implemented successfully. Thank you.

7 FACILITATOR: Thank you. Next speaker,  
8 Bob Link, Winergy Power.

9 MR. LINK: Thank you very much. My name  
10 is Bob Link from Winergy Power. I'm going to face you  
11 because you're the people I'm speaking to and they've  
12 probably heard me before.

13 Just so that you know I'm color blind so  
14 when you hold those things up -- this will only take  
15 a few moments. One, I've made my living off the  
16 coastline most of my life with fish. The world is  
17 losing 10,461 pounds of fish every minute of every day  
18 according to the last study.

19 So I personally don't want to do anything  
20 that's going to affect the habitat of the fish. When  
21 MMS puts their scoping information together, if they  
22 could consider two things that I think would be  
23 appropriate for all developers: if you -- you're  
24 going to need baseline studies, obviously, be it  
25 avian, be it turtles, be it fish.

1 Don't front load them. One year should be  
2 appropriate and then monitor them as the project gets  
3 built to see what the impacts are. Two, to avoid  
4 segmentation or piece mealing. Allow a project to be  
5 phased in. If we're going to build a project, build  
6 a project -- it's 180 turbines let's say -- so phase  
7 it, 60, 60, and 60 over a prescribed period of time so  
8 that piece mealing or segmentation does not occur.

9 Three, most, most, most importantly, keep  
10 in mind that the wind farms that were done over in  
11 Europe, Horns Rev, 80 turbines, soon to be 160;  
12 Nysted, 72 turbines, soon to be 144, those are  
13 demonstration projects still. They are not commercial  
14 projects.

15 They were set up as demonstration  
16 projects, even though they're quite large. Thank you,  
17 and you didn't have to put up a card.

18 FACILITATOR: No, you've still got two  
19 minutes and twelve seconds. Okay, we've reached that  
20 part of the program where we've entered all of the  
21 registered speakers. Is there anybody else who'd like  
22 to make a comment?

23 Yes, sir. Please go to the podium and  
24 state your name. Make sure the court reporter gets  
25 the correct spelling.



1 MR. WHITAKER: I'm Phil Whitaker. I'm  
2 with the University of Delaware, although I'm speaking  
3 strictly for myself at this moment.

4 I've been doing some research for the past  
5 three years interviewing people from Massachusetts to  
6 Delaware on their attitudes towards offshore wind  
7 power. I've spoken to probably in-depth interviews  
8 lasting between 30 minutes and 2 hours, closer to 45-  
9 50 people in that region, that New Jersey,  
10 Massachusetts, and Delaware specifically.

11 I'd just like to say that I think a voice  
12 that you're not hearing here, a voice that isn't get  
13 out very much, is that once people understand wind  
14 power, its place in our energy system and our energy  
15 mix and the potential of it offshore offers, I just  
16 haven't found anyone who's against it.

17 The view issue and the environmental  
18 concerns that we hear, such as the Surfriders have  
19 brought up as one example, these are all issues that  
20 are concerning to many people, but they're not issues  
21 that they want to see derail progress on developing  
22 alternative energy.

23 I think that it's very important that you  
24 understand people want this, a lot of people really,  
25 really want this. They want to see something happen,

1 and speaking strictly for myself, I really hope that  
2 some community somewhere brings development of these  
3 turbines in close to shore, because I really want to  
4 be able to see them.

5 I like them. I think they're a valuable  
6 addition aesthetically to a shoreline. I can see  
7 another point of view exists, but at least a couple  
8 places I hope we can get them in close to shore.  
9 Thank you.

10 FACILITATOR: Thank you. Anybody -- yes.

11 MS. ANNETE: Sashe Annete again. I want  
12 to thank all of you for the quality of comments and  
13 intelligence and passion in the room. I would like to  
14 thank MMS very much for allowing this opportunity,  
15 which I find a rare one for the public to actually  
16 have an active role in policy development and we will  
17 hold you to it.

18 I think this is an incredible start. It  
19 gives me hope and optimism, and I agree with some of  
20 the comments that were made about timing. I think  
21 that we could probably go on all night talking about  
22 this, and I think that these sessions need to continue  
23 in more depth with more opportunity for us to respond  
24 to each other.

25 Perhaps you could consider expanding the

1 structure of these public hearings or at least setting  
2 up a further forum that we might be able to do that.  
3 Again, on all sides, your concerns and policy and  
4 development -- I emphasize creativity.

5 There is a way for all sides to come  
6 together and to utilize the advantage of technology  
7 and beat the clock that is ticking mercilessly against  
8 us. I liken it to MRIs, high contrast and high  
9 resolution MRIs. It's the equivalent of having that  
10 machine and saying, "No, no, no. We can't do that  
11 test on you, so you will die of that disease because  
12 we cannot diagnose it and treat it in time."

13 So I would like to leave you with  
14 something a little bit more positive than that dark  
15 example, but it's the truth. The technology is there,  
16 and we have built it so let's do it. Thank you.

17 MR. FOTE: Tom Fote again. Bruce told me  
18 I wasn't clear before when I was talking about  
19 turbines, so I want to make sure you understood what  
20 I was talking about.

21 I was talking about the underwater  
22 turbines because I know there's a problem with vital  
23 plankton the way it basically destroys fish and  
24 everything else, the eggs that are basically in the  
25 water column, so that's what I was talking about.

1 I was not talking about the above-ground  
2 turbines, so I just want to make that clear. So when  
3 we do the risk assessment there, I need to see what  
4 the risk assessment is with the underwater turbines,  
5 with the above-the-water turbines, and those types,  
6 and again, those are the economic costs especially to  
7 the environment.

8 So I have serious concerns about the under  
9 water, not the wave energy. I think that basically  
10 will actually provide habitat or provide structure for  
11 the fish to hide under, but I guess the underwater  
12 turbines, especially with the East River, there's a  
13 lot of that are real skeptical about what's going in  
14 on the East River and shouldn't have been put in there  
15 in the first place because of all the eggs and  
16 everything else that floats down there and they're  
17 going to get beat to death. Thank you.

18 MR. SHERMAN: Good evening, James Sherman  
19 from American Wind Power and Hydrogen. Listening to  
20 all the comments tonight, I just have one comment for  
21 the panel. I would suggest that while I know this is  
22 a generic EIS and there have been many people in the  
23 audience who have advocated that all technologies be  
24 considered at the same time, my concern is the concern  
25 of others in the room that we get on with this.

1           This should be treated like a Manhattan  
2           Project and not a scientific study that goes on for  
3           five or ten years. So if there's a way in doing the  
4           generic EIS to perhaps segment out the offshore wind  
5           above the water so that that part can be streamlined  
6           or fast tracked while some of the other technologies  
7           that are much further off in terms of their  
8           development, and I don't know what those are, but  
9           certainly the offshore wind based on the European  
10          experience is ready to go.

11           It should be, in my opinion, the goal of  
12          the Materials Management to fast track that part,  
13          separate it if necessary so that we can bring this  
14          energy resource online as soon as possible. That may  
15          mean stripping out some of the other things.

16           We're doing a generic EIS just for above  
17          the water line wind energy and leave some of the other  
18          things for a separate, generic EIS so that the  
19          offshore wind market can come into existence sooner  
20          than later. Thank you.

21           FACILITATOR: Thank you. Anyone else?

22           MR. MERCURIO: I'd just like to add one  
23          other thing as far as the fish --

24           FACILITATOR: Could you just say your name  
25          again for the --

1 MR. MERCURIO: Mike Mercurio from Island  
2 Wind.

3 FACILITATOR: Thank you.

4 MR. MERCURIO: I'd like to say one other  
5 thing about the compensations for fishing on offshore  
6 wind. We have a unique opportunity here to create  
7 underneath these reef systems, which New Jersey's been  
8 very active in creating.

9 We can also create, if we can ever get  
10 Congress to give some of the royalties from renewable  
11 energies to feed stock in these area as an added  
12 benefit to create a reef system in these areas, which  
13 has been actually the goal of the Horns Rev to limit  
14 the fishing in the area to enhance the aquatic life.

15 I am all for recreational fishing.  
16 Recreational fishing around an offshore wind site can  
17 produce savings on gasoline to fishermen. Instead of  
18 going out 70 miles, we can place these turbines in the  
19 right place of the reef systems on the continental  
20 shelf in 90 to 120 feet of water where you have  
21 temperature differentials where you're fin fish come  
22 in in order to feed them.

23 It's a very unique opportunity, and we  
24 should take advantage of it also to increase our  
25 environment. Thank you.

1 FACILITATOR: Will the panel take any  
2 questions at this point in time?

3 [Off-mic response]

4 FACILITATOR: Perhaps after the meeting  
5 you can talk one on one with panel members.

6 [Off-mic response]

7 FACILITATOR: Okay. If you'd like to make  
8 a scoping statement, please go to the podium.

9 MR. DILLINGHAM: Tim Dillingham, American  
10 Littoral Society again. This is, I guess, partly a  
11 process question, and that is listening to the  
12 comments there's discussion of generic EIS's,  
13 programmatic EIS's, there's recommendations for site-  
14 specific or project-specific EIS's.

15 Your website is not very clear in terms of  
16 the scope of those investigations and what this work  
17 will turn out in terms of how much detail, how much  
18 framing. There was a suggestion of extending MMS'  
19 jurisdiction into state waters to control the cable  
20 landings, that type of thing.

21 So I guess part of my question is, is  
22 there a place that you all can refer us to that  
23 details that out more in terms of how far you plan on  
24 going in the context of a programmatic EIS, which is  
25 what I understand this exercise to be, and how that is

1 differentiated from a generic EIS. I looked through  
2 your website. I could not find that guidance.

3 The second thought I had just goes back to  
4 the energy issue and the relationship to energy  
5 demand, and that is will -- I presume that you're  
6 going to this EIS for the North Atlantic planning area  
7 because you've got maps on your website that had the  
8 multiple planning areas. Is that the scope what  
9 you're going to do this work on?

10 Is it going to be specific to the  
11 conditions and the circumstances from New Jersey up  
12 into New England, which is what I thought I saw the  
13 planning area to be defined as?

14 Okay, well if that is indeed the case,  
15 then I guess my comment on the alternatives analysis  
16 is that the promise that wind energy, renewable energy  
17 holds that we heard people articulate tonight is its  
18 ability to offset or to diminish our reliance on  
19 fossil fuels.

20 I think there's some question as to how  
21 that actually happens, whether or not this is simply  
22 another generation approach that feeds into an ever-  
23 increasing curve of demand or whether or not it can be  
24 somehow linked back to actually doing reductions.

25 I know there's an argument made that it



1 displaces it based upon the cost, its ability to be  
2 fed into the grid, but my question then becomes -- or  
3 my suggestion is that you need to analyze that aspect  
4 of it in your alternatives analysis because there are  
5 indeed opportunities through energy efficiency,  
6 through other conservation approaches that the  
7 Commissioner talked about.

8 In New Jersey, the work has been done in  
9 support of the renewable portfolio standards  
10 identified. There's nearly 5,000 megawatts of  
11 potential capacity available through conservation.

12 The question becomes in weighing out the  
13 cost and benefits in this process, what the role?  
14 What's the mix? I mean clearly the developers here  
15 want you to open a market that will allow them to  
16 pursue that, allow them to sell this technology, sell  
17 electricity into the grid.

18 I have a separate question of whether or  
19 not that's in the best interest of the public given  
20 the potential impacts that need to be explored to  
21 other public resources.

22 [Off-mic discussion]

23 FACILITATOR: Yes, sir.

24 [Off-mic response]

25 FACILITATOR: Could you state your name

1       please?   State your name.

2                       [Off-mic response]

3                       FACILITATOR:   Any other scoping comments?

4       Okay.

5                               (Whereupon, the above-entitled

6                               meeting    was    concluded    at

7                               8:04 p.m.)

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